

ABSTRACT

[0069] A digital wake-up signal is generated from an analog switch on a printed circuit board in which a ground trace and multiple conductive switch traces are bridged by a moveable contactor responsive to movement of an actuator. A resistor network is coupled to the switch traces and alternately connects the switch traces to two outputs to generate distinct analog voltage outputs. A logic gate determines when both outputs are at the same voltage corresponding to the contactor engaged between two adjacent switch traces and generates a wake-up command signal.